Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/28/2017 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124348	-1	1.24	124191	1.25
Blue	F	SSC	125000	123801	-1	3.05	124110	2.93
Blue	E	FITC	23615	22993	-3	2.42	1030	10.20
Blue	D	PE	26739	26350	-2	1.97	948	10.04
Blue	B	PerCP-Cy5-5	48339	47316	-3	3.40	1360	16.99
Blue	A	PE-Cy7	45021	44649	-1	5.09	691	35.85
Red	C	APC	53064	52356	-2	2.74	3011	9.48
Red	A	APC-Cy7	57175	56711	-1	2.75	1182	11.19
Violet	B	V450	14728	14197	-4	5.05	676	9.43
Violet	A	V500	58621	57057	-3	4.93	2527	7.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19290	2.14	608	-6	N/A	N/A	Pass
Blue	F	SSC	61345	1.44	544	-2	N/A	N/A	Pass
Blue	E	FITC	113	38.37	544	-4	0.0206	106	Pass
Blue	D	PE	207	28.70	535	-1	0.1440	185	Pass
Blue	B	PerCP-Cy5-5	212	44.76	632	-3	0.0099	76	Pass
Blue	A	PE-Cy7	73	121.30	691	-2	0.0116	14	Pass
Red	C	APC	352	27.18	594	-3	0.0201	28	Pass
Red	A	APC-Cy7	129	40.43	577	-3	0.0055	1620	Pass
Violet	B	V450	82	42.12	464	-6	0.0485	1982	Pass
Violet	A	V500	182	21.29	491	-6	0.0144	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.79	-31.14	0.94
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	18.89	14.40 - 21.60	N/A	N/A	30.81	31.44	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11008

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments